

SEQUENCE LISTING

<110> MARX, ACHIM

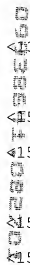
FARWICK, MIKE

HERMANN, THOMAS

SCHISCHKA, NATALIE

BATHE, BRIGITTE

<120> NUCLEOTIDE SEQUENCES WHICH CODE FOR THE oxyR GENE

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<150> DE 10042052.4

<151> 2000-08-26

<150> DE 10110053.1

<151> 2001-03-02

<150> US 60/279,415

<151> 2001-03-29

<160> 4

<170> PatentIn version 3.1

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<212> DNA

<213> Corynebacterium glutamicum

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<221> CDS

<222> (491)..(1471)

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Met Ser Asn Lys Glu Tyr Arg Pro Thr Leu Ala Gln Leu  
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cgc acc ttt gtc acc atc gca gaa tgc aag cac ttt ggt act gct gcc 577  
Arg Thr Phe Val Thr Ile Ala Glu Cys Lys His Phe Gly Thr Ala Ala  
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acc aag ctg tcc att tgc cag cca tcc ctc tcc cag gca ctt gtc gca 625  
Thr Lys Leu Ser Ile Ser Gln Pro Ser Leu Ser Gln Ala Leu Val Ala  
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tta gaa aca ggc ctg gga gtt cag ctg att gaa cgc tcc acc cgc aag 673  
Leu Glu Thr Gly Leu Gly Val Gln Leu Ile Glu Arg Ser Thr Arg Lys  
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Val Ile Val Thr Pro Ala Gly Glu Lys Leu Leu Pro Phe Ala Lys Ser  
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acc ctt gac gcg gcg gag tct ttc ctc tcc cac gcc aag ggc gcc aac	769
Thr Leu Asp Ala Ala Glu Ser Phe Leu Ser His Ala Lys Gly Ala Asn	
80 85 90	
ggg tgg ctc act gga cgg ttg acc gta ggc atc atc ccc acg gcg gct	817
Gly Ser Leu Thr Gly Pro Leu Thr Val Gly Ile Ile Pro Thr Ala Ala	
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cct tac att ttg ccg tca atg ctg tcc atc gtg gat gaa gaa tat cca	865
Pro Tyr Ile Leu Pro Ser Met Leu Ser Ile Val Asp Glu Glu Tyr Pro	
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gat ctg gaa cct cac atc gtc gag gac caa acc aag cat ctt ctc gcg	913
Asp Leu Glu Pro His Ile Val Glu Asp Gln Thr Lys His Leu Leu Ala	
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ttg ctg cgc gac ggc gcc atc gac gtc gcc atg atg gcc ctg cct tct	961
Leu Leu Arg Asp Gly Ala Ile Asp Val Ala Met Met Ala Leu Pro Ser	
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Glu Ala Pro Gly Met Lys Glu Ile Pro Leu Tyr Asp Glu Asp Phe Ile	
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Val Val Thr Ala Ser Asp His Pro Phe Ala Gly Arg Gln Asp Leu Glu	
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Leu Ser Ala Leu Glu Asp Leu Asp Leu Leu Asp Asp Gly His	
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Cys Leu His Asp Gln Ile Val Asp Leu Cys Arg Arg Gly Asp Ile Asn	
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ccc att agc tcc act act gct gtc acc cgc gca tcc agc ctt acc acc	1201
Pro Ile Ser Ser Thr Thr Ala Val Thr Arg Ala Ser Ser Leu Thr Thr	
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Val Met Gln Leu Val Val Ala Gly Leu Gly Ser Thr Leu Val Pro Ile	
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Ser Ala Ile Pro Trp Glu Cys Thr Arg Pro Gly Leu Ala Thr Ala Asn	
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Phe Asn Ser Asp Val Thr Ala Asn Arg Arg Ile Gly Leu Val Tyr Arg	
270 275 280 285	

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<213> Corynebacterium glutamicum

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Gly Leu Gly Val Gln Leu Ile Glu Arg Ser Thr Arg Lys Val Ile Val  
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Thr Pro Ala Gly Glu Lys Leu Leu Pro Phe Ala Lys Ser Thr Leu Asp  
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Ala Ala Glu Ser Phe Leu Ser His Ala Lys Gly Ala Asn Gly Ser Leu  
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Thr Gly Pro Leu Thr Val Gly Ile Ile Pro Thr Ala Ala Pro Tyr Ile  
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Leu Pro Ser Met Leu Ser Ile Val Asp Glu Glu Tyr Pro Asp Leu Glu  
115 120 125

Pro His Ile Val Glu Asp Gln Thr Lys His Leu Leu Ala Leu Leu Arg  
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Asp Gly Ala Ile Asp Val Ala Met Met Ala Leu Pro Ser Glu Ala Pro  
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Gly Met Lys Glu Ile Pro Leu Tyr Asp Glu Asp Phe Ile Val Val Thr  
165 170 175

Ala Ser Asp His Pro Phe Ala Gly Arg Gln Asp Leu Glu Leu Ser Ala  
180 185 190

Ileu Glu Asp Leu Asp Leu Leu Leu Leu Asp Asp Gly His Cys Leu His  
195 200 205

Asp Gln Ile Val Asp Leu Cys Arg Arg Gly Asp Ile Asn Pro Ile Ser  
210 215 220

Ser Thr Thr Ala Val Thr Arg Ala Ser Ser Leu Thr Thr Val Met Gln  
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Leu Val Val Ala Gly Leu Gly Ser Thr Leu Val Pro Ile Ser Ala Ile  
245 250 255

Pro Trp Glu Cys Thr Arg Pro Gly Leu Ala Thr Ala Asn Phe Asn Ser  
260 265 270

Asp Val Thr Ala Asn Arg Arg Ile Gly Leu Val Tyr Arg Ser Ser Ser  
275 280 285

Ser Arg Ala Glu Glu Phe Glu Gln Phe Ala Leu Ile Leu Gln Arg Ala  
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